Specialized Screening Tools for Infants and Toddlers

Autism Diagnostic Observation Schedule

- ➢ *Purpose:* To Evaluate individuals suspected of having characteristics similar to Autism and other diagnoses along the Pervasive Developmental (PDD) spectrum.
- ➢ *Age Range*: Toddlers to Adults
- ➢ *Contains*: 4 Modules
- ➢ *Time to Administer*: Each module requiring just 35 to 40 minutes
- ➢ Uses Standardized materials.

Autism Screening Instrument for Educational Planning Second Edition (ASIEP-2)

- ➢ *Published: 1978 to 1993*
- ➢ *Purpose*: A comprehensive list of screening tools and sub-tests which all screen or evaluate Autistic features in children and adults.
- ➢ *Scores*: Sensory, Relating Body and Object Use; Language, Social and Self Help; Autism Behavior, vocal Behavior, Repetitive, Non-communicative, Babbling, Unintelligible, Interaction, Independent Play, No Response, Negative, Educational Assessment, In Seat, Receptive Language, Expressive Language, Body Concept, Speech Imitation, Hand-Shaping, Random Position-A, Fixed Position-B, Fixed Position-C, Random Position-D.
- ➢ *5 Sub-tests:* Autism Behavior Checklist, The Sample of Vocal Behavior, The Interaction assessment, the educational assessment, and the prognosis of learning rate.
- ➢ *Age Range*: 18 months to 49 years.
- ➢ Uses standardized materials and age referenced materials. Also utilizes curriculum-based and criterion referenced materials.

Autism Screening Questionnaire/Social Communication Questionnaire (SCQ)

- ➢ *Published:* Formally ASQ, recently reformatted in 1999
- ➢ *Purpose:* To screen for Autism and
- ➢ *Age Range:* 4 to adult
- ➢ **Contains:**
- ➢ **Time to Administer:**
- ➢ *Zero to Three Caution:* The SCQ has primarily been tested with older children (six years and above) and with parents who had already received a full ADI-R. Therefore, results with a younger population or with parents less familiar with these kinds of questions may be less clear.
- ➢ Uses standardized and age referenced materials.

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Behavior Rating Instrument for Autistic and other atypical children (BRIAC)

- *Purpose:* Assesses seven scales of development for Autistic children
- *Age Range:* Autistic children of all ages.
- *Contains:* Seven scales measuring the following areas: Relationship to an adult; Communication; Drive for Mastery; Vocalization and Expressive Speech; Sound and Sound Reception; Social Responsiveness; and Psychobiological Development. Two additional scales assess non-vocal communication for children who use manual communication due to vocal and/or hearing deficits.
- Uses Standardized materials.

Checklist for Autism in Toddlers (CHAT)

- *Published:* 1992
- ***Purpose:*** To Screen toddlers at risk for social and communication disorders
- ***Age Range:*** 18 months and above
- *Contains:* Parent Report and Observation items. Toddlers are scored using pretend play, following a point; proto-declarative pointing; pretending and producing a point.
- ***Time to Administer:*** 5-10 min.
- Uses Standardized pass or fail ratings.

Childhood Autism Rating Scale Standardized (CARS)

- *Published:* 1998
- ***Purpose:*** This Scale helps to identify children with Autism and to distinguish them from developmentally disabled children without diagnoses of Autism. It also distinguishes mid-to-moderate from severe autism.
- *Age Range:* Suitable for use with any child over 2 years of age.
- *Contains:* This Scale includes a 15 item behavior-rating scale.
- *Time to Administer:* 5 to 10 minutes.
- Uses Criterion or cut scores as its norms.

Computerized FAS Facial Photographic Screening Tool

- *Purpose:* Identifies 3 facial features of FAS: small eyes, smooth philtrum and a thin upper lip.
- Sensitivity100%
- Specificity: 99.8%
- Predictive Value Positive: 83.3%
- Predictive Value Negative: 100%

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Devereux Early Childhood Assessment Program (DECA)

- ➢ *Published:* 1998
- ➢ *Purpose:* To identify children who may be at risk for low attachment, self control, initiative, and may struggle with behavior. Also assesses classroom strategies as well as effective professional practice with families.
  - *Age Range:* 24 months and above, however, birth to three edition is currently pending.
- ➢ *Contains:* Contains four separate Scales
- ➢ *Time to Administer:*
- ➢ Spanish version available.
- ➢ Uses Standardized ratings and age referenced materials.

Early and Periodic Screening, Diagnostic, and Treatment (EPSDT)

- ❖ Statewide implementation: 1995
- ❖ Two mutually supportive, operation components: assuring the availability and accessibility and accessibility of required health care resources; and helping Medicaid recipients and their parents or guardians effectively use these resources.
- ❖ Must include the following services:
  screening services: comprehensive health and developmental history, comprehensive unclothed physical exam, appropriate immunizations, laboratory tests, health education, vision services, dental services, hearing services, and other necessary health care.
  - ▪ Diagnosis
  - ▪ Treatment
  - ▪ Lead poisoning prevention
- ❖ State Medicaid Agency Required activities:
  - ▪ Inform all Medicaid – eligible persons under 21 that EPSDT services are available;
  - ▪ set distinct periodicity schedules for screening, dental, vision, and hearing services;
  - ▪ report EPSDT performance information annually.
- ❖ EPSDT mandated treatment services:
  - ▪ Vision care
  - ▪ Hearing care
  - ▪ Dental care
  - ▪ Podiatrist services
  - ▪ Optometrist services
  - ▪ Chiropractor services
  - ▪ Physician services
  - ▪ Medical and remedial care
  - ▪ Home health services
  - ▪ Private duty nursing services
  - ▪ Clinic services furnished under physician direction
  - ▪ Nursing facility services
  - ▪ Inpatient hospital care
  - ▪ Outpatient hospital care
  - ▪ Personal care services

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Early and Periodic Screening, Diagnostic, and Treatment (EPSDT) Continued

- Transportation
- Case management
- Hospice care
- Preventive services
- Federally qualified health center and rural health clinic services
- Family planning services
- Laboratory and x-ray services
- Emergency hospital services
- Rehabilitation services
- Intermediate care facilities
- Intermediate care facilities services for the mentally retarded
❖ Impatient psychiatric services
  - Christian science nurses/sanatoria
  - Physical therapy and related services
  - Occupational therapy
  - Speech and language care
  - Prescribed drugs, dentures, and prostheses
  - Nurse midwife services
  - Respiratory care
  - Certified pediatric and family nurse practitioner services
  - Community supported living arrangements for persons with developmental disabilities
  - Other diagnostic, screening, preventative, and medical or remedial services

The FAS Screen: A Rapid Screening Tool for Fetal Alcohol Syndrome

- *Purpose:* Designed for use in a community setting and in the clinical setting by both paraprofessional and medically trained personnel.
- *Age Range:* 4 to 18 Years.
- *Contains:* Includes screening items for growth impairment, neuralgic dysfunction and facial features, mental retardation, common behavioral signs present in diagnosed cases of FAS.
- *Needed Training:* 4 hours
- *Time to Administer:* 10 to 15 Minutes.
- Specificity: 94.1%: did not have sufficient signs to be diagnosed with FAS.
- Positive predictive value: 9.1%

Gilliam Autism Rating Scale (GARS)

- *Published*: 1995
- *Age Range*: 3 to 22 years of age.
- *Administration* : Administered by teacher, teacher's aide, or parent to a group of children.
- *Time to Administer*: 5 to 10 minutes
- *Consists:* Behavioral Checklist with 4 sub-scales consisting of Stereotyped

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Gilliam Autism Rating Scale (GARS) CONTINUED

Behaviors, Communication, Social Interaction, & Developmental Disturbances
- *Scores:* Stereotyped Behaviors, Communication, Social Interaction, Developmental, and Autism Quotient
- Uses Standardized scores and Norm-referenced materials.

Modified Checklist for Autism in Toddlers (M-CHAT)

- *Age Range*: 18 to 24 Months
- *Purpose:* Modified from the original CHAT from the UK for sensitivity for American children.
- *Contains:* 23 yes/no questions aimed at screening for autistic spectrum disorders.
- Uses Standardized age referenced materials.

Parent Interviews for Autism (PIA)
- A set of structured questions regarding the child's developmental progress. PIA's are often used in conjunction with other observational tools to evaluate the child fully.